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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 44865-2024

**Internet of things(IoT) - System requirements of IoT and sensor
network technology-based integrated platform for chattel asset
monitoring**

物联网 基于物联网和传感网技术的动产监管集成平台系统要求
(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is modified to adopt ISO/IEC 30163:2021 "Internet of Things - Movable Property Supervision Integrated Platform System Based on Internet of Things and Sensor Network Technologies" System Requirements".

The technical differences between this document and ISO/IEC 30163:2021 and their reasons are as follows.

--- Added normative reference document GB/T 33474-2016 to adapt to my country's situation (see Chapter 3 and Chapter 6);

--- Added the terms and definitions of "pledgor", "pledgee" and "supervisor" to facilitate the understanding and application of the standard (see Chapter 3);

--- Changed the relationship diagram and description of the parties involved in movable property pledge financial services to make them consistent with the actual process of movable property pledge financial services in my country.

To (see Chapter 5);

--- Changed the target object domain in the IoT system structure for movable property pledge supervision (see Chapter 6, Figure 2) to make it consistent with Definition of target object domain in GB/T 33474-2016;

--- Deleted the description of the scope of this document in Chapter 6 to comply with the national standard writing rules;

--- Changed the variable name "weighing accuracy" to "weighing deviation" (see 7.2.3.1) to make it more consistent with the actual application of this clause Definition and test methods.

The following editorial changes have been made to this document.

--- Deleted the abbreviations PED and RA.

1 Scope

This document provides the IoT system structure and interface definitions for the integrated platform for movable asset supervision in the financial sector, and specifies the functional requirements.

and performance requirements.

This document is applicable to the design and development of IoT systems for movable property supervision.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 33474-2016 Internet of Things Reference Architecture

3 Terms and Definitions

The terms and definitions defined in GB/T 33474-2016 and the following apply to this document.

pledgee

The creditor who possesses the collateral.

Note: Pledged property includes movable property, immovable property and other pledged property.

Pledger

The debtor or third party who delivers the pledged property to the pledgee to ensure the fulfillment of the debt.

superintendent

The party entrusted by the pledgee to supervise and manage the status of the pledged property.

4 Abbreviations

The following abbreviations apply to this document.

ASD. Application Service Domain OMD. Operation Management Domain UD. User Domain